Computational Mathematics Advanced Requirements

Math 24
Ordinary Differential Equations

Math 100
Intro to Proofs and Problem Solving

Math 110
Number Theory

Analysis
(Must take one of the following)

Math 103A
Complex Analysis

Math 105A
Real Analysis

Differential Equations
(Must take one of the following)

Math 106
Systems of ODEs

Math 107
Partial Differential Equations

Algebra
(Must take one of the following)

Math 111A
Algebra

Math 111T
Algebra

Computational
(Must take one of the following)

Comprehensive Requirement
(Must take one of the following)

Math 194
Senior Seminar

Or

Math 195
Senior Thesis

Or

Math 145/L
Chaos Theory

Or

Math 148/L
Numerical Analysis

Or

AM 114
Dynamical Systems

Or

AM 147
Computational Methods

2 Electives from Approved List
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Courses from departments other than Math, AM and STAT are intended for double major students and have significant prerequisites.